FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Sheet	1 1	of	l 6

Substitute for form 1449/PTO

	Equivalent of Form 1 Cooperator (CO-00)				
Complete if Known					
Application Number	10/676,850				
Filing Date	September 30, 2003				
First Named Inventor	Nicholas M. RYAN				
Art Unit	2435				
Examiner Name	Paliwal, Yogesh				
Attorney Docket Number	2222.5440000				

			U.S. PATENT DO	CUMENTS	
	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
	140.	Number-Kind Code ^{2 (If Known)}	MIMI-DD-1111	Applicant of Cited Document	or Relevant Figures Appear
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Examiner Cite Foreign Patent Document Initials* No.		Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column	
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	FP2	EP 1 107 504 B1	06-13-2001	Benayoun et al.		
	FP3	EP1324565 A1	07-02-2003	Ouye et al.		
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	FP6					
	FP7					
	FP8					
	FP9					

Examiner Signature		Date Considered	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	2	of	6

Substitute for form 1449/PTO

Equivalent of Form PTO/SB/08a (08-08)			
Complete	if Known		
Application Number	10/676,850		
Filing Date	September 30, 2003	pt	
First Named Inventor	Nicholas M. RYAN		
Art Unit	2435		
Examiner Name	Paliwal, Yogesh		
Attorney Docket Number	2222.5440000		

			U.S. PATENT DO	OCUMENTS		
Examiner Initials	Cite No.1		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,	
	INO.	Number-Kind Code ^{2 (If Known)}	Known)	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appea	
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			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP10					
	FP11					
	FP12					
	FP13					
	FP14					
	FP15					
	FP16					
	FP17					
	FP18					

Examiner	 Date	
Signature	Considered	

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	3	of	6

Substitute for form 1449/PTO

	Equivalent of Form PTO/SB/08a (08-08)
Complete	if Known
Application Number	10/676,850
Filing Date	September 30, 2003
First Named Inventor	Nicholas M. RYAN
Art Unit	2435
Examiner Name	Paliwal, Yogesh
Attorney Docket Number	2222.5440000

			U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
	Number-Kind Code ^{2 (If Known)}		rippinount of chief Booming	or Relevant Figures Appear	
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			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te
	FP19					
	FP20					
	FP21					
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	FP27					

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Signature		Considered	
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Substitute for form 1449/PTO

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 6

	Equivalent of Form 10/36/00a (co-00				
Complete if Known					
Application Number	10/676,850				
Filing Date	September 30, 2003				
First Named Inventor	Nicholas M. RYAN				
Art Unit	2435				
Examiner Name	Paliwal, Yogesh				
Attorney Docket Number	2222.5440000				

			U.S. PATENT DO	OCUMENTS	····
Examiner Initials	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
	110.	Number-Kind Code ^{2 (If Known)}	MAN DE TITT	rapproduct of cited becament	or Relevant Figures Appear
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			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP28					
	FP29					
	FP30					
	FP31					
	FP32					
	FP33					
	FP34					
	FP35					
	FP36					

Examiner	Date	
Signature	Considered	

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	5	οf	6
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	Equivalent of Form PTO/55/06a (06-06)				
Complete if Known					
Application Number	10/676,850				
Filing Date	September 60, 2003				
First Named Inventor	Nicholas M. RYAN				
Art Unit	2435				
Examiner Name	Paliwal, Yogesh				
Attorney Docket Number	2222.5440000				

			U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	No 1	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
		Number-Kind Code ^{2 (If Known)}			or Relevant Figures Appea
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		-	FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP37					
	FP38					
	FP39					
	FP40					
	FP41					
	FP42					
	FP43					
	FP44					
	FP45					

Examiner	Date
Signature	Considered

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 6 of 6

Complete if Known				
Application Number	10/676,850			
Filing Date	September 30, 2003	1 35		
First Named Inventor	Nicholas M. RYAN			
Art Unit	2435			
Examiner Name	Paliwal, Yogesh			
Attorney Docket Number	2222.5440000			

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	U.S. PATENT DOCUMENTS						
Examiner		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
Initials*	No.1	Number-Kind Code ^{2 (If Known)}	MM-DD-YYYY	Applicant of Cited Document			
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	US109						
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	US118						
	US119						
	US120						

			FOREIGN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP46					
	FP47					
	FP48					
	FP49					
	FP50					
	FP51					
	FP52					
	FP53					
	FP54					

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Examiner	Date	
Signature	Considered	

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Equivalent of Form PTO/SB/08b (08-08)

Substitute for form 1449/PTO.				Con	Complete if Known			
FIRST SUPPLEMENTAL		Application Number	10/676,850					
		Filing Date	September 30, 2003					
INFORMATION DISCLOSURE				First Named Inventor	Nicholas M. RYAN			
STATEMENT BY APPLICANT (Use as many sheets as necessary)		Art Unit	2435					
	(Use as many	sheets as	s necessary)	Examiner Name	Paliwal, Yogesh			
Sheet	1	of	1	Attorney Docket Number	2222.5440000			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	NPL1	Examination Report, completion date June 18, 2008, for European Patent Application No. EP 02 258 532.7-1244, 6 pgs.	
	NPL2	Office Action, dated May 10, 2005, for European Patent Application No. 02258532.7, 5 pgs.	
	NPL3	Office Action, dated December 5, 2006, for European Patent Application No. 02258532.7, 5 pgs.	
	NPL4	BONEH et al., "Hierarchical Identity Based Encryption with Constant Size Ciphertext," Advances in Cryptology- EUROCRYPT 2005, vol. 3493, June 20, 2005, pgs. 440-456.	
	NPL5	BONEH et al., "IBE Secure E-mail," Stanford University, April 8, 2002, http://crypto.stanford.edu/ibe/.	
	NPL6		
	NPL7		
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